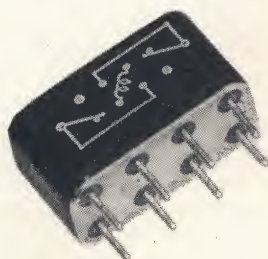




TWO POLE HALF-SIZE CRYSTAL CAN RELAY

TYPE SR
2 POLE



ELECTRICAL SPECIFICATIONS

Contact Arrangement:

2 Form C DPDT

Contact Rating:

2 amps. 28 VDC Resistive Load

Contact Resistance:

.05 ohms maximum

.10 ohms after life test

Life:

100,000 operations minimum

Operate Time:

5 milliseconds max.

Release Time:

5 milliseconds max.

Dielectric Strength:

1000 volts rms.

Insulation Resistance:

100 megohms for all combinations of terminals and case

GENERAL INFORMATION

Designed for present day missile applications, where reduced weight and size are of utmost importance, the Branson Two-Pole Half-Size Crystal Can relay provides extreme vibration and temperature resistance.

The unit is available in a variety of case and header styles with coils covering several standard voltage ranges, and its low profile design allows close stacking of printed circuit boards.

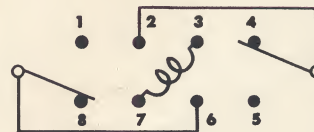
Connections are based on standard 1/10" grid spacing and reliability is assured due to the use of the established 2-pole contact design.

The Two-Pole Half-Size Crystal Can relay is another example of Branson's contribution to the state of the art in relay design and manufacture.

COILS ARE AVAILABLE
FOR THE FOLLOWING
D.C. VOLTAGES

6
12
24
48

SPECIAL COILS WILL
BE PROVIDED WHEN
REQUIRED.



Terminal Numbers For Reference Only

MEMBER



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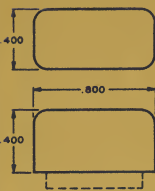
TYPE
SR
2 POLE



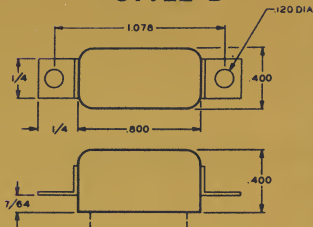
TWO POLE HALF-SIZE CRYSTAL CAN RELAY

CASE STYLES

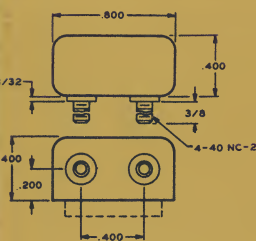
STYLE A



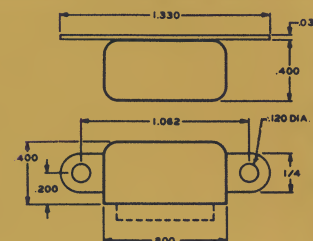
STYLE B



STYLE C

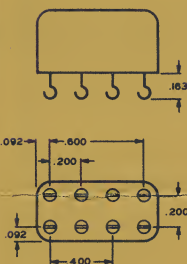


STYLE D

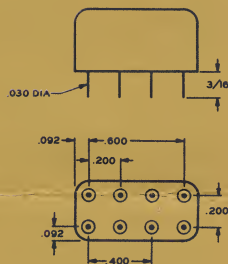


HEADER STYLES

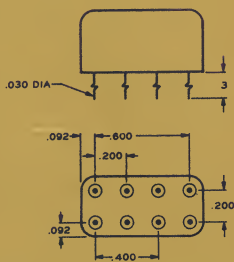
STYLE A



STYLE B



STYLE C



MECHANICAL SPECIFICATIONS

Temperature Range-65° to +125°C Class B
Vibration10- 2000 cps. Grade 4 (20G)
Shock50 g 11 milliseconds Type 3
Weight6-10 grams
Volume0.13 cubic inches
Enclosures and HeadersSee outline drawings
AltitudeRelay is hermetically sealed and filled with dry nitrogen.
HumidityHousing has a durable black finish as well as non-corrosive plating.

MEETS REQUIREMENTS OF MIL-R-5757D AND ASSOCIATED ENVIRONMENTAL SPECIFICATIONS SUCH AS MIL-E-5272C

ORDERING INFORMATION

Part numbers for the Type SR are made up as follows:

SR TYPE	CASE	CONTACTS	VOLTAGE	HEADER
Case styles:	A—Standard case B—Bracket mounting	C—Stud mounting D—Flat mounting		
Contacts:	2C(DPDT)			
Voltage:	See chart			
Header:	A—Hook terminal B—Plug-in C—Wire leads			
Example:	SRC — 2C — 6A			
	Style C case (2 mounting studs)			
	Two pole double throw contacts			
	6 volt nominal operation			
	Hook terminal header			

If for dry circuit application insert "D" before contact arrangement
Example: SRC — D2C — 6A

BRANSON CORP.

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